

## FOCT-05 FIBER OPTICS TRAINER



**FOCT-05** is a single board Fiber Optic Trainer Kit to study the characteristics of Fiber using Digital and Analog techniques. This kit also facilitates with digital and analog Modulation & Demodulation communication techniques.

### Features

- 660nm Transmitter.
- One no. of Photo Detector.
- On-board Sine & Square wave generator.
- On-board 4th Order Low Pass Filter.
- On-board Fault Switch.
- In-Built Power Supply.

### Specifications

- Transmitter : One Fiber Optics LED having peak wavelength of emission 660nm.
- Receiver : One Fiber Optic photo detector.
- AC Amplifiers : 1 No.
- Comparator : 1 No.
- Analog Band Width : 350 KHz.
- Digital Band Width : 2.5 MHz.
- Functional Generator : 10Hz To 10 KHz sine wave (amplitude adjustable) & 10Hz To 10 KHz square wave (TTL)
- Serial PC to PC link : 9 Pin D-type RS232C TX. And Rx. Link
- Fiber Optics Cable : Connector type Standard SMA (sub miniature assembly). Duly Polished fiber at both end for Numerical Aperture Measurement.

Note : Specifications & Photo can be altered without notice in our constant efforts for improvement.

- Cable Type : Step indexed multimode PMMA plastic cable.
- Core Refractive Index : 1.492.
- Clad Refractive Index : 1.406.
- Numerical aperture : Better than 0.5.
- Acceptance Angle : Better than 60°
- Fiber Diameter : 1000 microns.
- Outer Diameter : 2.2mm.
- Fiber Length : 1m.
- Power Supply : Built in DC power supply, 230V + 10%, 50 Hz.
- Accessories Included : Manuals, set of patch cords.
- Interconnections : 2 mm Banana Sockets.